

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|--|-----------------|------------------|---------|------------------|
| S1    | 1    | "20070029256"  | US-PGPUB; USPAT | OR               | OFF     | 2010/04/28 09:41 |
| S2    | 1    | "20030150808"  | US-PGPUB; USPAT | OR               | OFF     | 2010/04/28 09:48 |
| S3    | 2    | "20060097361"  | US-PGPUB; USPAT | OR               | OFF     | 2010/04/28 09:48 |
| S4    | 26   | "4992485"  | US-PGPUB; USPAT | OR               | OFF     | 2010/04/28 09:48 |
| S5    | 19   | (Yasuhiro near2 nakano) or (ishihara near2 naoko)                                  | US-PGPUB; USPAT | OR               | OFF     | 2010/04/28 10:55 |
| S6    | 1    | S5 and (leu\$1ocyte with (filter or device))                                       | US-PGPUB; USPAT | OR               | OFF     | 2010/04/28 10:56 |
| S7    | 9    | S5 and (filter or device)  | US-PGPUB; USPAT | OR               | OFF     | 2010/04/28 10:56 |
| S8    | 225  | membrane with cast\$3 with non\$1woven   | US-PGPUB; USPAT | OR               | OFF     | 2010/04/28 10:58 |
| S9    | 145  | S8 and (support with membrane)   | US-PGPUB; USPAT | OR               | OFF     | 2010/04/28 10:58 |
| S10   | 112  | S9 and (porous with membrane)  | US-PGPUB; USPAT | OR               | OFF     | 2010/04/28 10:59 |
| S12   | 14   | S10 and (organic with polymer)   | US-PGPUB; USPAT | OR               | OFF     | 2010/04/28 10:59 |
| S13   | 64   | S10 and (penetrat\$4 or interpenetrat\$4)  | US-PGPUB; USPAT | OR               | OFF     | 2010/04/28 11:01 |
| S14   | 15   | S10 and ((penetrat\$4 or interpenetrat\$4) with (support with membrane))           | US-PGPUB; USPAT | OR               | OFF     | 2010/04/28 11:01 |
| S18   | 885  | (integral\$4 with membrane) and (support\$4 with porous with membrane)             | US-PGPUB; USPAT | OR               | ON      | 2011/03/15 11:30 |
| S19   | 2    | S18 and ((hydroxyethyl near2 methacrylate) and (dimethylamino near2 methacrylate)) | US-PGPUB; USPAT | OR               | OFF     | 2011/03/15 11:35 |
| S20   | 350  | (integral\$4 with membrane) same (support\$4 with porous with membrane)            | US-PGPUB; USPAT | OR               | ON      | 2011/03/15 11:36 |
| S21   | 207  | S20 and (composite with membrane)  | US-PGPUB; USPAT | OR               | ON      | 2011/03/15 11:38 |
| S22   | 19   | S21 and honeycomb  | US-PGPUB; USPAT | OR               | OFF     | 2011/03/15 11:44 |
| S23   | 4    | S21 and (openness or opening near2 ratio)  | US-PGPUB; USPAT | OR               | ON      | 2011/03/15 11:47 |
| S24   | 1    | S21 and (leu\$1ocyte)  | US-PGPUB; USPAT | OR               | ON      | 2011/03/15 11:47 |

## EAST Search History (Prior Art)

|     |     |   |                            |    |     |                  |
|-----|-----|---|----------------------------|----|-----|------------------|
| S25 | 1   | "2003149096"  | US-PGPUB;<br>USPAT;<br>JPO | OR | OFF | 2011/03/15 11:56 |
| S26 | 92  | fiber with (penetrat\$4 or integral\$4) with<br>honeycomb   | US-PGPUB;<br>USPAT         | OR | ON  | 2011/03/15 13:19 |
| S27 | 1   | S26 and membrane  | US-PGPUB;<br>USPAT         | OR | ON  | 2011/03/15 13:20 |
| S28 | 38  | S26 and porous  | US-PGPUB;<br>USPAT         | OR | ON  | 2011/03/15 13:20 |
| S29 | 109 | fiber with (penetrat\$4 or integral\$4) with<br>(porous near2 (membrane or filter or<br>substrate))   | US-PGPUB;<br>USPAT         | OR | ON  | 2011/03/15 13:23 |
| S30 | 17  | S29 and blood   | US-PGPUB;<br>USPAT         | OR | ON  | 2011/03/15 13:23 |
| S31 | 199 | (tanaka near2 masaru) or (shimomura<br>near2 masatsugu) or (sakaino near2<br>yoshiki) or (ito near2 toshifuru) or (terajima<br>near2 kaoru) | US-PGPUB;<br>USPAT         | OR | OFF | 2011/03/15 13:42 |
| S32 | 4   | S31 and (composite with membrane)   | US-PGPUB;<br>USPAT         | OR | ON  | 2011/03/15 13:43 |
| S33 | 97  | S31 and (coat\$4 or cast\$4)  | US-PGPUB;<br>USPAT         | OR | ON  | 2011/03/15 13:45 |
| S34 | 8   | S33 and (porous near2 (support or<br>substrate))  | US-PGPUB;<br>USPAT         | OR | ON  | 2011/03/15 13:46 |
| S35 | 8   | S31 and (porous near2 (support or<br>substrate))  | US-PGPUB;<br>USPAT         | OR | ON  | 2011/03/15 13:50 |
| S36 | 9   | (hydroxyethyl near2 methacrylate or HEMA)<br>same (porous near2 support)  | US-PGPUB;<br>USPAT         | OR | OFF | 2011/03/15 14:11 |

## EAST Search History (Interference)

|  |  |                                  |  |  |  |
|--|--|----------------------------------|--|--|--|
|  |  | < This search history is empty > |  |  |  |
|--|--|----------------------------------|--|--|--|